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Fast Recovery High Voltage Rectifiers

Operating Temperature: -65°C to 125°C

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Inverse Voltage	Peak Fwd. Surge Current @ 8.3 ms Superimposed	Max. Forward Voltage @ 25°C @ Rated I _F	Max. Reverse Current @ 25°C @ Rated PIV	Max Reverse Recovery Time	Package	Outline (Max. in Inches)		
		I _o (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (μA)	T _{RR} (nS)	Bulk/Reel			
GFM508 GFM510 GFM512 GFM514 GFM516 GFM518 GFM520 GFM522 GFM524	VF5-8X VF5-10X VF5-12X VF5-14X VF5-16X VF5-18X VF5-20X VF5-22X VF5-24X	5 mA	8000 10000 12000 14000 16000 18000 20000 22000 24000	1.0	25.0 @ 10 mA 30.0 @ 10 mA 37.5 @ 10 mA 42.5 @ 10 mA 50.0 @ 10 mA 55.0 @ 10 mA 62.5 @ 10 mA 62.5 @ 10 mA 75.0 @ 10 mA	5.0	100 @ 10 mA 2m A	V _R 12V V _R 14.4V V _R 18V V _R 20.4V V _R 24V V _R 26.4V V _R 30V V _R 30V V _R 36V	1000/5000		
GF225 GF230 GF235	R2500F R3000F R3500F		2500 3000 3500		6.0 6.0 8.0						
R2500F R3000F R3500F	GF225 GF230 GF235		2500 3000 3500		6.0 6.0 8.0						
GF240 GF250 GF260	R4000F R5000F R6000F		4000 5000 6000		25 20						8.0 12.0 12.0
R4000F R5000F R6000F	GF240 GF250 GF260		4000 5000 6000		25 20						8.0 12.0 12.0
GF240M GF250M GF260M	- - -		4000 5000 6000		25 20						8.0 12.0 12.0
GF512 GF515 GF518 GF520	R1200F R1500F R1800F R2000F		1200 1500 1800 2000		30						2.5 3.0
R1200F R1500F R1800F R2000F	GF512 GF515 GF518 GF520		1200 1500 1800 2000								2.5 3.0

T_{RR} Test Conditions: I_F = 0.5 A, I_R = 1 A, I_{RR} = 0.25 A

Ultra Fast Rectifiers

Operating Temperature: -65°C to 125°C

Part No.	Cross-Reference	Max. Average Rectified Current	Peak Inverse Voltage	Peak Fwd. Surge Current @ 8.3 ms Superimposed	Max. Forward Voltage @ 25°C @ Rated I _F	Max. Reverse Current @ 25°C @ Rated PIV	Reverse Recovery Time @ T _{RR} (nS)	Package	Outline (Max. in Inches)
		I _o (A)	PIV(V)	I _{FSM} (A)	V _{FM} (V)	I _R (μA)	T _{RR} (nS)	Bulk/Reel	
TUF101 TUF102 TUF103 TUF104 TUF105 TUF106 TUF107 TUF108	UF4001 UF4002 UF4003 - UF4004 UF4005 UF4006 UF4007	1.0 A	50 100 200 300 400 600 800 1000	30	1.0 1.0 1.0 1.0 1.0 1.7 1.7 1.7	10.0	50 75	1000/5000	
HER101 HER102 HER103 HER104 HER105 HER106 HER107 HER108	TUF101 TUF102 TUF103 TUF104 TUF105 TUF106 TUF107 TUF108		50 100 200 300 400 600 800 1000		1.0 1.0 1.0 1.3 1.3 1.7 1.7 1.7		50 75		
TUF151 TUF152 TUF153 TUF154 TUF155 TUF156 TUF157 TUF158	HER151 HER152 HER153 HER154 HER155 HER156 HER157 HER158		50 100 200 300 400 600 800 1000		1.0 1.0 1.0 1.3 1.3 1.7 1.7 1.7		50 75		
TUF201 TUF202 TUF203 TUF204 TUF205 TUF206 TUF207 TUF208	HER201 HER202 HER203 HER204 HER205 HER206 HER207 HER208		50 100 200 300 400 600 800 1000		1.0 1.0 1.0 1.3 1.3 1.7 1.7 1.7		50 75		
HER201 HER202 HER203 HER204 HER205 HER206 HER207 HER208	TUF201 TUF202 TUF203 TUF204 TUF205 TUF206 TUF207 TUF208		50 100 200 300 400 600 800 1000		1.0 1.0 1.0 1.3 1.3 1.7 1.7 1.7		50 75		